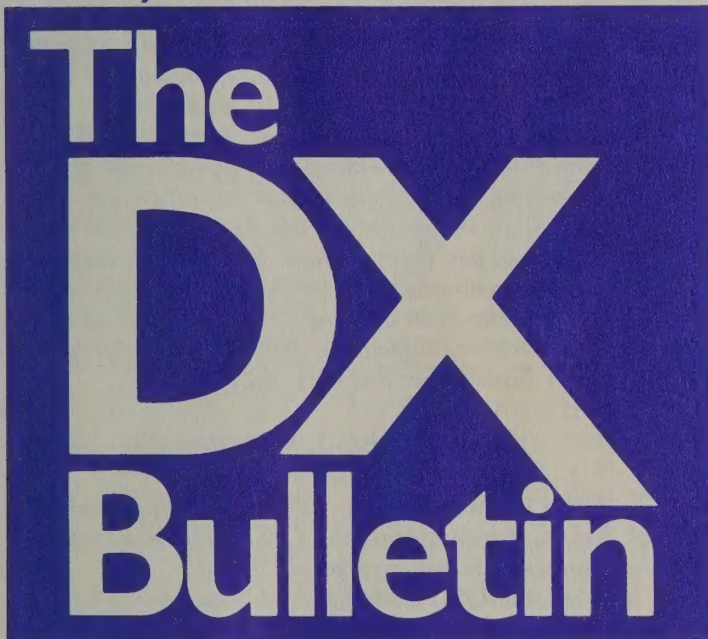


Aves Island - YV0 The Venezuela Navy celebrates its 191st anniversary and the Venezuela Radio Club celebrates its 60th anniversary with a DXpedition to Aves (NA-020) July 21-25. YW0RCV will be on all traditional bands, on SSB, CW, and digital modes. QSL to the Radio Club Venezolano, P. O. Box 2285, Caracas 1010-A, Venezuela. *Please note that the Venezuela Postal office's rates went up about a month ago and 1 IRC doesn't cover the return postage.*

North Cook Islands - ZK1 Ken Holdom ZL2HU plans to spend six weeks on the island of Pukapuka (OC-098), operating SSB only as ZK1KH. He likes 21177 and 28490 kHz. He seeks help with the high cost of shipping radio gear to the North Cooks, about \$900. DXers interested in helping can contact him at 31 St. Johns Terrace, Tawa, Wellington, New Zealand.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Cayman Islands - ZF Joe Hypnarowski WA6VNR, Wife Nancy N6RLE, and Bruce Butler W6OSP will operate as ZF2AH, ZF2JT, and ZF2QM respectively June 26-July 15, including a multi-op entry in the IARU HF Championship July 9-10. Outside the test, most activity will be on the low bands and new bands. QSL to home callsigns. For YL DXCC skeds with ZF2JT, call 619-658-4156 and leave your fax number, or call them on Cayman at 809-949-6454.

North Cook Islands - ZK1 Steve Salmon AA6LF is in the western Pacific on his six-year, round-the-world cruise/DXpedition. He'll be active as ZK1ALF from Suvarrow Island (OC-090) July 1-6; try the IOTA frequencies of 14260 and 21260 kHz. QSL to AA6BB. Future stops are Western Samoa 5W July 7-12, Tokelau ZK3 July 13-18, and Wallis FW July 18-25.

DXpedition News, Continued

Svalbard - JW Tom LA4LN will sign JW4LN, and Magne LB3RC will sign LB3RC/JW from the western coast of Vest-Spitsbergen 78°N 14°E August 1-20. This is a scientific expedition and not a DXpedition, but they will be operating all bands 160-10 meters, including the new bands, on CW, SSB, and the digital modes mornings, evenings, when weather is bad, and when not having to chase away the dangerous polar bears! QSL direct only with SAE and return postage to the respective home calls. Note that the LA4LN Callbook address is wrong! Here are the correct addresses: JW4LN via LA4LN, Tom Victor Segalstad, P.O. Box 15 Kjels, N-0411 Oslo, Norway; LB3RC/JW via LB3RC, Magne Nicolaysen, stgaards gate 23 B, N-0474 Oslo, Norway.

Shortly Noted

- **IB0C** will be active in the IARU HF Championship July 9-10; QSL via operator GianFederico Madruzza IK0AZG, Via S. Vetturino 9, 06126 Perugia, Italy.
- **ZW7AB** will be active July 1-7, on SSB only on 40-10 meters, commemorating Brazil's annual Fire Prevention Week. QSL to Ronaldo Reis PS7AB, P. O. Box 2021, Natal (RN) 59094-970, Brazil, or via the PY bureau.
- **J5: SM3HLL** is in Guinea-Bissau to July 7; callsign not yet known.
- **V31PH** and **V31WE** are the respective callsigns of Rick AI5P and George WB5JHK from Ambergris Cay, July 7-14. QSL via their home calls. (W1AW.)
- **New BV Bands:** The Chinese Taipei Ministry of Posts and telecommunications has granted BV amateurs permission to use the following new frequencies:

3500-3512.5 kHz	3550-3562.5 kHz
18068-18080.5 kHz	18110-18122.5 kHz
24890-24902.5 kHz	24930-24942.5 kHz
50000-50012.5 kHz	50110-50122.5 kHz
- **SSB Nets:** Spots: **14226.5 kHz** (11,18Z): VK4YI YB5AQQ 9M8DB; **14247** (21Z): TZ6WO 9A4EW VP2VF; **14256** (2330Z): FH5CB ET3SID HS1CHB.

Islands On The Air

- **IE9/IT9ABY** will be active July 30-31 from Ustica I. (EU-051).
- **SP1KYB/1** is active from Wolin I. (EU-132) until August; QSL via SP6TPM.
- (EU-106) St.Tudwals will be active July 27-Aug. 1 with a special call. QSL via EI6FR.
- **CS5C** will be operated by some CT DXers during the IOTA contest July 30-31 from Culatra I. (EU-145).
- **GC4MBC** and **GW5LP/p** will be active in the IOTA test from Wales (EU-124); QSL via G4BWP and G5LP respectively. (DXLoggen.)

Propagation

Forecast and Historical Data

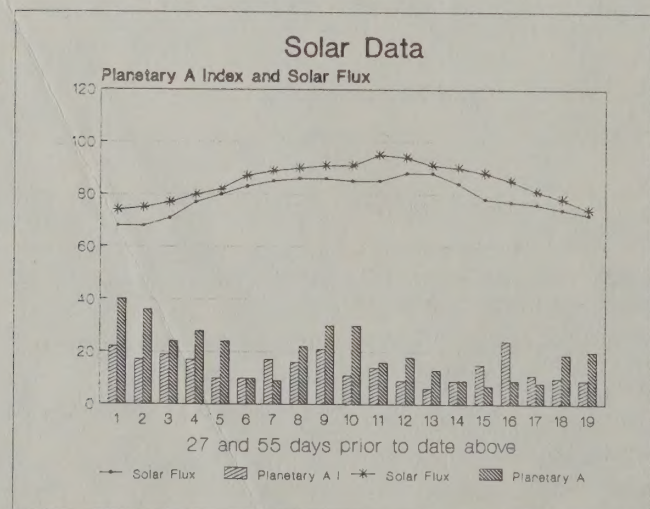
Day	Forecast	27 Days Before	55 Days Before
July 1994	Date	Flux A K	Date Flux A K
1	Below Normal	6/4 68 16/22 3	5/7 74 27/40 4
2	Low Normal	6/5 68 31/17 3	5/8 75 24/36 3
3	Below Normal	6/6 71 18/19 3	5/9 77 26/24 3
4	Low Normal	6/7 77 13/17 2	5/10 80 18/28 2
5	High Normal	6/8 80 08/10 1	5/11 82 22/24 3
6	High Normal	6/9 83 07/10 1	5/12 87 10/10 1
7	Low Normal	6/10 85 16/17 2	5/13 89 06/09 1
8	Low Normal	6/11 86 15/16 2	5/14 90 15/22 2
9	Low Normal	6/12 86 22/21 3	5/15 91 18/30 3
10	High Normal	6/13 85 13/11 3	5/16 91 26/30 3
11	Low Normal	6/14 85 14/14 3	5/17 95 16/16 2
12	High Normal	6/15 88 08/09 2	5/18 94 19/18 2
13	High Normal	6/16 88 03/06 1	5/19 91 15/13 1
14	High Normal	6/17 84 09/09 2	5/20 90 09/09 1
15	Low Normal	6/18 78 13/15 1	5/21 88 06/07 2
16	Low Normal	6/19 77 20/24 3	5/22 85 07/09 2
17	High Normal	6/20 76 12/11 2	5/23 81 06/08 2
18	High Normal	6/21 74 11/10 2	5/24 78 18/19 3

Propagation Watch

The Space Environment Services Center (the people who prepare the WWV propagation report) have refined their prediction for the end of Sunspot Cycle 22. Given the accelerating pace of sunspots disappearing, it now appears that Cycle 22 will end at solar minimum in late 1996. However, the sunspot counts will continue to decline rapidly for the rest of this year. This suggests that 1995-1996 will be marked with very low solar activity, with solar flux hovering in the 80 range, and a smoothed sunspot count near 10.

Cycle 23, while expected to begin in 1996, won't begin to curve upward until mid-1997, and won't return to the 1993 levels until 1998. Flux is currently at levels not seen since 1987, one year after the last solar minimum in 1986.

This prediction doesn't mean that there won't be any DX to work until 1998, but it does suggest that the higher bands will be spotty at best for several years. Look for the maximum useable frequency (MUF) to inch above 17 meters, and occasionally above 15 meters. However, the main DX bands will remain 20 meters, with nighttime openings on 40 and below. 30 meters should be an excellent band of DXing as well. Good hunting!



Maybe Yemen in July After All!

Robert Wilber N4GCK says that the *Ann Arbor News* article that reported he used funds from four stolen checks to pay for his participation in the 3Y0PI Peter 1 Island DXpedition is incorrect. In an interview with *The DX Bulletin*, Bob says: "The only money that was put in to the Peter One DXpedition of my own personal money did not come from this money [the stolen checks]. I had paid the money for the Peter 1 Island DXpedition out of my own pocket, little by little as this thing progressed. I have checks and receipts to prove that all the money to pay for this came out of my own accounts or my fiancée's accounts. None of this money came out of this check situation. None of that money went to the Peter 1 Island DXpedition.

"When the *Ann Arbor News* originally contacted one of my attorneys about this situation, he said that the money was used for the DXpedition because he did not want them to be under the impression that there was still money laying around. He was having them understand that the money was spend, and this way I couldn't pay them back. Basically what he was doing was trying to cover me.

"The *Ann Arbor News* has no proof of this whatsoever. In fact, that did not happen. There were no funds of this used for Peter 1 Island. There should be no connection between this thing and Peter 1 Island."

[The *DX Bulletin* independently verified that Wilber's share of the Peter 1 Island DXpedition expenses did not come in one lump sum, but was spread over several payments, as Wilber says. Since Wilber did not use the money from the pilfered checks to pay Peter 1 Island DXpedition expenses, there is no connection between his personal problems and amateur radio. The Peter 1 Island DXpeditioners had no prior knowledge of Wilber's difficulties. Wilber says he still hopes to operate from Yemen later this year. -ed.]

Peter 1 Island, Continued

by Peter Casier ON6TT

While for most people, 3Y0PI was a two-week's affair, for us, the operators, the QSL team, and especially the organizers, it is **not** over yet. Not by far...

While the QSL cards have **all** been mailed by now, another group of us is working on the cargo. As you may know, most of our cargo was left aboard the Akademik Fedorov, our pickup vessel. The Fedorov docked in Bremerhaven two weeks ago, where 49 crates, six propane bottles, and the remaining five gas barrels were unloaded. Willy HB9AHL supervised the unloading and storage. On Monday, May 30, I drove together with Arie PA3DUU to Bremerhaven, re-crated the material, and stowed it into a 20-foot (seven meters) container. Next week the container is sea-shipped to Tony WA4JQS, who will refurbish most of the equipment. Just to give you an idea of the cost of this:

Cost of unloading and storage in Bremerhaven:	\$750
Van rental, diesel, hotel bills, etc.:	\$300
Cargo rental, pick-up, and shipping:	\$2200
Total for getting the cargo back to the US:	\$3250

No, for us, the 3Y0PI DXpedition is not over, not by far, **but** we still enjoy doing it. See you in one of the upcoming presentations. (from *DXPress*.)

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16

75 Meters

FO4OK	3789	1105	15	AR
H44NC	3800	1126	16	AR
KH8BB	3800	1110	16	AR
LU8EEM	3799	1003	15	AR
ZK1CD	3800	1110	18	AR

40 Meters

3A2LU	7018	0225	19	IA
3B8CF	7005	0255	21	IA
4F2IR	7011	1240	5	CA
4S7WP	7012	1440	18	ID
9J2SZ	7001	0005	19	IA
BV2BI	7005	1259	16	CA
HG1S	7014	0220	18	MI
UA0/	7006	0810	17	CA
RA1WO				
V63FC	7010	1142	15	ID
VK9NS	7001	1015	21	IA
YC9XR	7013	1035	21	IA
ZA1J	7007	0225	16	IA

30 Meters

3B8CF	10101	0318	15	SC
4X1FC	10108	0337	19	SC
9M8FC	10105	1404	13	CA
BV2FG	10102	1344	9	CA
CT1BOS	10100	0518	10	CA
CX2BP	10102	0257	18	CA
FO5BI	10105	0710	13	CA
LU1VPN	10105	0014	17	CA
LZ2LP	10104	0227	14	SC
PA0VDV	10109	0512	16	CA
T92X	10102	0218	14	SC
UR7GR	10106	0330	19	SC
UX0ZA	10102	0345	19	SC
VK2PS	10103	1141	17	IL
VK6RO	10107	1142	17	IL
Z21HS	10106	0436	9	CA
ZL4WA	10101	0355	19	SC

20 Meter CW

3D2QB	14010	0730	14	CA
4K2MAL	14004	1939	15	SC
4K6GF	14023	1156	15	MA
4N7DW	14010	2205	7	MI
5N0/	14043	0745	11	CA
DL9GMM	14016	2120	18	SC
5W1GC	14004	0825	15	CA
7Z1AB	14030	2125	20	NC
9J2BO	14005	0548	18	CA
9K2MU	14020	0030	17	IA
A71AN	14004	2131	20	NC
BV2TA	14006	1304	21	MI
CP1BA	14007	0211	19	CA
EA6EJ	14010	2127	18	SC
EK4JJ	14020	2150	17	SC
EU1YL	14026	0345	16	IL
EU7SA	14006	0342	15	AZ

EW2TZ	14017	1240	14	MI
EY3FT	14007	0342	16	AZ
FO5BI	14009	0810	15	CA
FO5OU	14027	0340	20	SC
GJ4VXE	14027	1740	14	SC
GU0FYR	14011	2152	14	SC
HI3AB	14006	0605	18	CA
HT1T	14021	0036	9	MI
JW0H	14013	2335	16	IA
LA8LA	14010	0605	16	CA
OM9SNP	14011	1945	15	SC
PZ1DY	14012	0808	16	CA
R1FJL	14015	2220	20	IA
RK1OWZ	14014	0344	17	CA
RK9AWN	14010	0152	18	MI
RU0F	14018	0400	18	SC
RX1AD	14024	1749	17	SC
RZ9OO	14021	0159	18	MI
RZ9UA	14003	1415	18	MI
SX1ZY	14030	0620	16	CA
S59A	14027	2158	18	SC
S59KAB	14005	1157	14	MD
T32Z	14006	1520	16	WI
UA9OAR	14015	0030	9	MI
UN0PYL	14025	0135	18	IA
UR0VX	14003	0346	15	AZ
UX4UA	14016	0348	21	AZ
UY0ZG	14030	0404	15	AZ
V73C	14029	0335	20	SC
YI9CW	14006	1904	14	SC
YT7AL	14019	0157	18	MI
Z32ZM	14007	0239	15	SC

20 Meter SSB

4L1AA	14200	2325	14	IA
4N7DW	14220	2140	14	MD
4S7DA	14190	0145	16	IA
4X6UO	14243	2102	20	NC
4Z4ZB	14187	0233	17	IL
5B4MD	14232	2021	6	NS
7Z1IS	14193	2053	6	NS
9G1MR	14180	2015	6	NS
9K2HN	14178	2114	9	WI
9K2MU	14187	2200	13	WI
9K2ZZ	14195	2125	16	WI
9M8DB	14180	1303	18	AR
A41LD	14204	1852	10	NS
A71AC	14260	1950	8	WI
A71BY	14200	2148	14	SC
A92FF	14223	1700	11	NS
C31HK	14282	1023	11	NS
C98AI	14260	2029	18	MA
CN8AX	14287	2052	20	NC
ES1WW	14284	0240	16	MA
EW3CW	14216	1933	16	NS
FH5CB	14240	0345	17	IA
FH5CB	14260	2156	14	AR
JA3BOA *	14188	1151	14	MD
JW0C	14191	1100	14	NS
OQ50USA	14195	1119	10	NB
PY0TUP	14200	0210	21	IA
RU4AA	14226	2126	14	SC
RX3DXW	14205	0404	15	SC
S52CI	14214	2117	14	MD

S92YL	14282	2140	9	NS
SV5AZP	14195	0300	15	IA
TU2JL	14260	2349	13	WI
TY1IJ	14252	0030	19	IA
UF6VM	14224	2200	7	NS
UR0EF	14220	0312	15	SC
V85PB	14190	1310	14	IA
VK6VU	14162	0751	17	IL
VR2BH	14195	1659	11	NS
VU2DK	14162	0120	15	IA
YU1EXY	14296	2135	14	MD
Z39HAM	14202	1951	16	NS
ZA1AJ	14262	2252	9	NS
ZA1B	14210	2025	18	IA
ZB2JO	14193	2111	20	NC
ZC4RAF	14175	1950	16	NS
ZD7CTO	14195	2005	6	NS
ZS6KD *	14182	1300	14	IA

17 Meter CW

PY0TUP	18073	1953	15	SC
TT8/	18073	2032	14	SC
F5LGF				
UX0UN	18080	2120	16	SC
VK3XB	18070	0325	15	SC

17 Meter SSB

9Q5CM	18150	1919	19	MA
EA8/	18130	0306	14	SC
WA1ECA				
EA8BYR	18130	0307	14	SC
UX0ZZ	18144	2255	15	MA
VK7GK	18135	0329	14	SC
VR6BD	18136	0335	14	SC

15 Meter CW

9A3ST	21010	1906	18	MA
-------	-------	------	----	----

15 Meter SSB

4N70DX	21255	1615	17	IA
ED7SPI	21260	1916	18	MA
ZL1ADO	21298	0145	16	IA

12 Meter CW

CE3ZW	24905	2045	14	SC
-------	-------	------	----	----

12 Meter SSB

9Q5CM	24940	1911	19	MA
-------	-------	------	----	----

10 Meter SSB

ZP5RG	28360	2138	13	MD
-------	-------	------	----	----

6 Meters

5T5JC	50110	2103	8	NS
CO2OJ	50115	1633	12	NS
CT1BGE	50110	2017	8	NS
CT1DVV	50115	2222	8	NS
CT3BD	50110	2156	8	NS
CT4KQ	50115	2105	8	NS
EH1EH	50110	2008	8	NS
EH2LU	50105	2024	8	NS
EH7AH	50110	2015	8	NS
F5BUU	50105	2040	8	NS
F6GNP	50110	2007	8	NS
PA0LSB	50111	2007	19	IL
VP9HE	50125	1255	13	NS
ZF1DC	50120	0023	20	IL
ZF1DC	50110	1635	10	NS

QSL Information

- **EZ Turkmenistan** (ex-UH8/RH8) QSL cards should be sent via the new QSL bureau in that country: P. O. Box 555, Ashgabat 20, Turkmenistan 744020. Do not send cards via Box 88, Moscow. EZ8BO (ex-UH8BO) is the president of the Turkmenistan Radio Amateur League.
- **4L1AA**: CT1CJJ is **not** the QSL manager for 4L1AA; he is a QSL collecting point to avoid stolen mail in Georgia. CT1CJJ forwards QSO data from cards received direct once a month, and Omari answers them from Georgia. Omari does **not** answer cards received via the bureau, so don't send cards to CT1CJJ via that route. His direct address is: Jose Manual Farto Lopes CT1CJJ, Lugar da Igreja, Sao Martinho da Gandara, 3720 Olivera de Azemeis, Portugal.
- **QSL 9G1KB** (1976-82) via W6FXL.
- **QSL BV0SAT** from May 15-22 via Bolon Lin BV5AF, P. O. Box 39, Changhua 500, Taiwan.
- **QSL BV0RI** from June 12-15 via the Chinese Taipei Amateur Radio League's QSL bureau: P. O. Box 73, Taipei 100, Taiwan.

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

<u>DXCC Country</u>	<u>Prefix</u>	<u>Callsign</u>	<u>Dates</u>	<u>Issue</u>
Albania	ZA	ZA1E	21295 1500Z	I743
Angola	D2/HB9AMO		to July	I740
	D2TT?		June 16-July 16	I743
Ascension Island	ZD8	ZD8OK	Aug.-Jan	I743
Aves island	YV0	YW0RCV	July 21-25	I745
Belau	KC6/	SM6FJY	July 11-24	I741
Belize	V3	V31PA	to Sept.	I740
	V31PH WE		July 7-14	I745
Benin	TY	TY1IJ	to July	I741
Cambodia	XU	XU7VK	to Feb. '95	I724
Cayman Islands	ZF	ZF2AH JT	QM to July 15	I745
Chad	TT	TT8PS	to Aug.	I740
Egypt	SU	SU1KR	now active	I744
Ghana	9G	by 4X4MS	one year	I743
Guam	KH2/	SM6FJY	June 27-July 10	I741
Guinea-Bissau	J5	SM3HLL	to July 7	I745
Iran	EP	EP2DL	14151 0045Z	I743
		EP2ASZ	20M CW 2200Z+	I743
Iraq	YI9CW		18074 14-16Z	I732
ITU Headquarters	4U1ITU		July 7-10	I742
Kerguelen	FT	FT5XJ	14188 18Z	I737
Kyrgyzstan	EX	/UAs	to Sept. 25	I744
Liechtenstein	HB0/PAs		July 6-11	I741
Malawi	7Q	7Q7XT?	July 17-Aug. 5	I743
Malta	9H	PAs	June 24-July 4	I736
M-V Island	R1MVI		July 30-31	I742
New Caledonia	FK8/F6EDV		now active	I744
Niger	5U	5U7Y	now active	I726
Nigeria	5N0/DL9GMM		to Dec.	I731
North Cooks	ZK1AT		3784 07Z Sun.	I729
	ZK1KH		soon?	I745
	ZK1ALF		July 1-6	I745
Philippines	DU7/SM0CNS		July 1-31	I743
St. Paul Island	CY9CWI		Aug. 12-26	I742
	CY9/	N0TG	Sept. 19-25	I741
St. Pierre & Miquelon	FP/KA1NCN		July 19-25	I739
St. Maarten	PJ7/	DLs	to July 7	I744
South Africa	ZS	ZS6IR	July 1-21	I743
Sri Lanka	4S7/ON4IPA		to August	I736
Svalbard	JW	JW4LN LB3RC/JW	Aug. 1-20	I745
Tajikistan	EY	EY8MM	3505/3795 02Z	I729
Tokelau	ZK3	ZK3ALF?	July 13-18	I745
Trindade Island	PY0	PY0TUP	Apr.-Aug.	I731
Turks & Caicos	VP5NC		mid-July	I743
Vanuatu	YJ0AVH		14196 0230Z+	I742
Wallis-Futuna	FW	AA6LF	July 18-25	I745
Western Samoa	5W	AA6LF	July 7-12	I745
Yemen	7O	7O1AA	14243 1500Z	I738
Zone 2	VE8/VE2BQB		to Nov.	I740

Operating Events and DX Gatherings

<u>Dates</u>	<u>Event</u>	<u>Reference:</u>
July 2-3	Venezuelan SSB Contest	<u>I744</u>
July 9-10	IARU HF Championship	<u>QST</u>
July 9-10	BARTG AMTOR/PACTOR	<u>Digital Journal</u>
July 16-17	Colombia Independence Contest	<u>CQ</u>
July 29-30	Russian Contest	
July 30-31	YV CW Contest	<u>I744</u>
July 30-31	Islands On The Air Contest	<u>CQ</u>

Resident Amateurs on Regularly

<u>DXCC Country</u>	<u>Callsign</u>	<u>Freq.</u>	<u>UTC</u>
Albania	ZA1B	14212	2030Z
Estonia	ES1WW	20M SSB	0245Z+
Israel	4Z4ZB	14190±	0230Z
Kuwait	9K2MU	14187	2200Z+
Qatar	A71AN	14252±	2000Z



**P. O. BOX 50
FULTON CA
95439-0050 USA
(707) 523-1001**

Copyright The DX Bulletin. All rights reserved. The DX Bulletin (ISSN 0279-8077) is published 50 times per year, weekly except weeks #27 and #52 of the calendar year, by Chod Harris at P.O. Box 4881, Santa Rosa CA 95402 USA. Telephone (707) 523-1001; Fax: (707) 523-1001. One-year subscription rates are \$32 by Second Class Mail, \$42 by First Class Mail (including Canada and Mexico) and US\$55 Foreign Airmail. Second Class postage paid at Santa Rosa CA. Postmaster: Send address changes to The DX Bulletin, P.O. Box 50, Fulton CA 95439-0050. Use this address for ALL purposes.

Contributors

This Issue made possible by: AA6LF, BV5AF, DXLoggen, IK0AZG, K4II, K5OVC, K6FG, K8CV, K8JLF, KA7T, KM6FW, KM9J, KN4FY, KZ0X, LA4LN, N6RVZ, N9LAG, PS7AB, VE1YX, VE9RJ, W1AW, W7AYY, W8CT, W9DH, W9HAO, WA6VNR, WB3ECU, WB8ZRL, YV5KAJ, and ZL2HU. Many thanks!

QSLs Received

- From managers: 5W1CQ (ZL1AMO, 10 DAYS); 8R1K (OH0XX, 6 WKS); EK7DX (DL1VJ, 4 MOS); P5RS7 (JA1HGY, 10 DAYS); V73C (OKDXA, 2 MOS); VK9LI (K6VNX, 5 MOS); ZK1CQ (ZL1AMO, 10 DAYS); ZK2RW (ZL1AMO, 10 DAYS); ZL7AMO (ZL1AMO, 10 DAYS); ZS0X (DJ6SL, 3 MOS).
- Direct: V29NR (3 WKS).